

In the Claims:

1. ( Currently Amended ) Apparatus for treating a target tissue sensitive to changes in target tissue temperature comprising:

means for directing a plurality of energy pulses toward said target tissue; and

means for controlling said plurality of energy pulses to assist in pulsating said target tissue temperature over a predestined period of time to cause necrosis of selected cells in said target tissue.

2. ( Currently Amended ) Apparatus according to Claim 1, [~~wherein~~] include said plurality of energy pulses being adapted to assist in pulsating said target tissue temperature to periodically [increases] increase from a first temperature T<sub>1</sub> to a second temperature T<sub>2</sub> for a first period t<sub>1</sub> and then [decreases] decrease to substantially said first temperature T<sub>1</sub>.

3. ( Currently Amended ) Apparatus according to Claim 1, [~~wherein said~~] include said plurality of energy pulses being adapted to assist in pulsating said target tissue temperature to aperiodically [increases] increase from a first temperature T<sub>1</sub> to a second temperature T<sub>2</sub> for a first period t<sub>1</sub> and then [decreases] decrease to substantially said first temperature T<sub>1</sub>.

4. ( Currently Amended ) Apparatus according to Claim 1, [~~wherein~~] include said plurality of energy pulses being adapted to assist in pulsating said target tissue temperature [is] to be substantially uniform in temperature excursion and non-uniform in pulse spacing or period between pulses.

5. ( Currently Amended ) Apparatus according to Claim 1, [~~wherein~~] include said plurality of energy pulses being adapted to assist in pulsating said target tissue temperature [is] to be non-uniform in temperature excursion and substantially uniform in pulse spacing or period between pulses.

6. ( Original ) Apparatus according to Claim 1, wherein said means for directing a plurality of energy pulses include a radio frequency generator.

7. ( Original ) Apparatus according to Claim 1, wherein said means for directing a plurality of energy pulses include an ultrasonic generator.

8. ( Original ) Apparatus according to Claim 1, wherein said means for directing a plurality of energy pulses include a container of temperature-controlled fluid in thermal contact with said target tissue.

9. ( Original ) Apparatus according to Claim 1, wherein said means for controlling said plurality of energy pulses include a computer-driven sequencer.

10. ( Original ) Apparatus according to Claim 1, wherein said means for controlling said plurality of energy pulses include a waveform control device.

11. ( Original ) Apparatus according to Claim 1, wherein said means for controlling said plurality of energy pulses include a temperature sensor and monitor.

12. ( Original ) Apparatus according to Claim 1, wherein said means for directing a plurality of energy pulses include first and second planar electrodes.

13. ( Original ) Apparatus according to Claim 1, wherein said means for directing a plurality of energy pulses include a cylindrical, inflatable tube having electrodes.

14. ( Original ) Apparatus according to Claim 1, wherein said means for directing a plurality of energy pulses include a sphere having electrodes.

15. ( Currently Amended ) Apparatus for treating a target tissue containing diseased cells sensitive to temperature change comprising:  
means for generating a plurality of energy pulses; and  
means for controlling said energy pulses to provide a repetitive increase and decrease in temperature of said target tissue over a predetermined time period for causing necrosis of only said diseased cells.

Claim 16 ( Currently Amended) Apparatus according to Claim 15, ~~[wherein]~~ include said energy pulses being adapted to provide said repetitive increase and decrease of said target tissue temperature ~~[is periodic]~~ periodically.

Claim 17 ( Currently Amended) Apparatus according to Claim 15, ~~[wherein]~~ include said energy pulses being adapted to provide said repetitive increase and decrease of said target tissue temperature ~~[is aperiodic]~~ aperiodically.

18. ( Currently Amended) Apparatus according to Claim 15, ~~[wherein]~~ include said energy pulses being adapted to provide said increase and decrease of said target tissue ~~[is uniform]~~ uniformly.

19. ( Currently Amended ) Apparatus according to Claim 15, ~~[wherein]~~ include said energy pulses being adapted to provide said increase and decrease of said target tissue temperature ~~[is non-uniform]~~ non-uniformly.

20. ( Currently Amended ) Apparatus for treating tissue cells containing one or more defective proteins comprising:

<sub>f</sub> means for alternately heating and cooling said tissue cells with specific timing for each temperature excursion and specific temperatures for each temperature excursion for selectively affecting tissue cells containing one or more defective proteins.

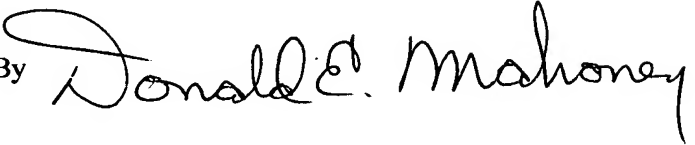
21. ( Currently Amended ) Apparatus according to Claim 20, ~~[wherein]~~ include said specific timing for each temperature excursion and specific temperature for each temperature excursion ~~[are selected]~~ being selected to cause necrosis of tissue cells containing said defective proteins.

22. ( Currently Amended ) Apparatus according to Claim 20, ~~[wherein]~~ include said means for alternately heating and cooling said tissue cells with specific timing for each temperature excursion and specific temperatures for each temperature excursion ~~[-are selected-]~~ being selected to cause necrosis of cells containing a defective protein.

23. ( Currently Amended ) A method for treating target tissue containing diseased cells sensitive to changes in target tissue temperature comprising the steps of:  
directing a plurality of energy pulses toward said target tissue; and  
increasing and decreasing said target tissue temperature over a predetermined period of time to selectively cause necrosis of substantially only said diseased cells.

Applicant has submitted only the corrected sections of the non-compliant amendment document. Reconsideration of the rejection of the amendment for non-compliance is respectfully requested.

Respectfully submitted

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